

REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF JULY, 1914

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army
Chief Health Officer, Ancon, Canal Zone

Gift of the Panama Canal Museum

WASHINGTON

1914





REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF JULY, 1914

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army
Chief Health Officer, Ancon, Canal Zone

WASHINGTON
1914



CONTENTS.

	Page.
Letter of transmittal.....	5
General remarks.....	5
Vital statistics:	
Health of employees.....	5
Health of residents of Canal Zone.....	6
Health of residents of the city of Panama.....	6
Health of residents of the city of Colon.....	7
Hospital division:	
Ancon Hospital.....	7
Board of health laboratory.....	7
Farm for disabled.....	8
Insane department.....	8
Colon Hospital.....	8
Chronic department.....	8
Palo Seco Lepér Asylum.....	9
Santo Tomas Hospital.....	9
District dispensaries.....	9
Sanitary division:	
Canal Zone.....	9
Panama.....	10
Colon.....	11
Quarantine division:	
Panama.....	11
Colon.....	11
Statistical tables:	
Table I. Admissions, deaths, and noneffective rates for employees; deaths of residents of Panama, Colon, and the Canal Zone....	12
II. Deaths by age, color, and sex.....	13
III. Deaths by nationality.....	14
IV. Deaths of white Americans.....	14
V. Causes of deaths of employees.....	15
VI. Causes of deaths of employees and civil population and places where chargeable.....	15
VII. Admissions and deaths in the hospitals of the Panama Canal..	18
VIII. Consolidated hospital report.....	32
IX. Consolidated dispensary and admission report.....	34
X. Employees: Constantly sick and noneffective rates per 1,000..	35
XI. Employees: Days' treatment per admission, hospitals and quarters.....	36
XII. Financial statement.....	36
XIII. Ancon Hospital.....	36
XIV. Colon Hospital.....	42
XV. Palo Seco Lepér Asylum.....	43
XVI. Santo Tomas Hospital.....	44
XVII. Sanitary work done in Canal Zone, Panama, and Colon.....	46
XVIII. Quarantine transactions.....	48
XIX. Issues of quinine.....	51
XX. Personnel report.....	51



LETTER OF TRANSMITTAL.

THE PANAMA CANAL,
DEPARTMENT OF HEALTH,
Ancon, Canal Zone, August 11, 1914.

TO the GOVERNOR OF THE PANAMA CANAL,
Culebra, Canal Zone.

SIR: I have the honor to submit the following report of the operations of the department of health for the month of July, 1914.

Very respectfully,

CHAS. F. MASON,
Chief Health Officer.

GENERAL REMARKS.

No cases of yellow fever, smallpox, or plague originated on or were brought to the Isthmus during the month.

VITAL STATISTICS.

EMPLOYEES.

The very large movement of employees from the Canal Zone to Panama and Colon, which has recently taken place, will no doubt affect their vital statistics, though this effect is not apparent.

When the last zone census was taken in February, 1912, only about 9,872 employees out of 42,174 were living in the terminal cities, while now over one-half of the employees live in these cities. The health of the employees continues very good. The number of names on the rolls for the preceding month was 46,616.

The total number of admissions to hospitals and quarters was 1,424, or a rate of 366.57 per thousand per annum, as compared with 381.09 for the preceding month, and 513.87 for the corresponding month of last year.

The total number of deaths from all causes was 27. Of these 16 died from disease, or 4.12 per thousand per annum, as compared with 3.28 for the preceding month, and 5.38 for the corresponding month of last year. The diseases causing the largest number of deaths were as follows: Lobar pneumonia 3, and tuberculosis 3. No other disease caused more than 1 death.

The number of employees per thousand constantly sick was 11, compared with 11.69 for the preceding month, and 15.19 for the corresponding month of last year.

The disease causing the highest admission and noneffective rates in hospitals was malaria, with rates of 87 per thousand per annum

and 1.66 per thousand, respectively. The corresponding admission rates for last month and the same month of last year were 62 and 69; 35 per cent of all admissions were due to this cause.

The next highest admission rates were for venereal diseases, diseases of the digestive system, nervous system, and respiratory system. These five classes of diseases caused 62 per cent of all admissions.

The admission rate for typhoid fever per thousand per annum was 0.51, as compared with 0.00 for the preceding month, and 0.83 for the corresponding period of last year.

EFFECTS OF RACE.

The admission rate to hospitals and death rate for disease for black employees were 151.58 and 4.56 per thousand per annum, as compared with 386.33 and 1.69 for white employees. The non-effective rate for disease and injuries for black employees per thousand was 9.78, as compared with 17.76 for white employees.

The admission rate to hospitals for malaria was 78.68 per thousand per annum for blacks, as compared with 134.96 for whites.

DEPORTATIONS.

There were 20 deportations accomplished during the month, divided as follows: Employees, 13; nonemployees, 7; for disease, 15; and injury, 5.

CANAL ZONE.

A census of the Canal Zone taken by the police department between the 16th and 30th of June shows that there were 37,702 people living in the zone, of whom 18,548 were employees, 2,154 soldiers, 7,247 women, and 7,059 children. The estimated population for the preceding month was 54,655. The result of the census confirms the opinion expressed in former reports that the estimated population of the zone was much too high. The ratios in the present and future reports will be based on the new census.

The total number of deaths for the month was 54; of these, 46 deaths were from disease, giving a rate of 14.64 per thousand per annum, as compared with 9.22 for the preceding month, and 16.47 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 35, compared with 35 last month.

There were 63 births, giving a rate of 20.32 per thousand per annum. There were 15 deaths of children under 1 year of age, giving an infant mortality of 238 per thousand. For colored children under 1 year of age, the rate was 286.

PANAMA CITY.

The population of this city, which has been carried at 47,172 since July, 1912, has been increased this month by 15,000 people. This is an estimate based partly upon the number of employees and others who have emigrated from the Zone to the terminal cities, as shown by the recent census, and partly upon the estimates of

our health officers and sanitary inspectors, who have noted the great influx of people overcrowding all available houses in Panama. These figures will be checked by a census to be taken as soon as possible.

During the month there were a total of 176 deaths; of these, 172 deaths were from disease, giving a rate of 33.20 per thousand per annum, as compared with 38.16 for the preceding month, and 31.03 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 47, compared with 55 last month. The principal causes of death showing an increase were tuberculosis, pneumonia, heart disease, and malaria.

COLON.

In Colon, with an estimated population of 20,232, there were 68 deaths; of these, 66 deaths were from disease, giving a rate of 39.14 per thousand per annum, as compared with 26.10 for the preceding month, and 23.72 for the corresponding month of last year.

The increase death rate in Colon is, no doubt, largely due to an increased population, which has undergone no revision for the last two years.

The greater part of the increase was in children under 5 years of age, the percentage of whose deaths to the total deaths from disease increased from 36 in June to 47 in July.

The causes of death showing the largest increase are bronchitis and pneumonia, malaria, and malnutrition.

HOSPITAL DIVISION.

ANCON HOSPITAL.

There has been a decided decrease in the number of patients admitted to hospital since the new regulations governing treatment in hospitals has gone into effect. The number of admissions to Ancon Hospital in July were: Employees, 805; others, 509, as against 859 employees and 584 others in May, and this notwithstanding July usually shows the highest admission rate of any month in the year.

There has been a large increase in the revenues of the hospital, the total receipts being \$27,346.53 in July as compared with \$15,169.99 in April. This increased revenue has resulted in a decrease in the net per capita cost per patient from \$0.90 in April to \$0.396 in July, and this notwithstanding an increase in the cost of the ration from \$0.241 to \$0.277 in the same period.

During the month two of the old French wards (11 and 12) were found to be unsafe, and were evacuated with a view to their destruction and replacement.

Board of health laboratory.—The following special work was done: Bionomics of *Stegomyia scutellaris*. Breeding of citrus tree moths. Observations on the relation of *Anopheles albimanus* to *Anopheles tarsimaculata*.

Preparation of suitable mounting media for mounting pathological specimens for exhibit. Preparing and mounting specimens for exhibit.

Flea observations.

Susceptibility of sloth and deer to *Trypanosoma hippicum*.

Collection of data on syphilitic aortitis.

Examination of smears from placentas with relation to the diagnosis of malaria.

A study of the deteriorating effect of certain constituents in the atmosphere on larvacide.

Examination on the nonvolatile constituents of crude carbolic acid and the relation of these substances to the complete emulsification of the crude carbolic acid with resin soap.

An attempt to determine the slight amount of acid substances occurring in some hydrocarbon lubricating oils.

In addition, the bacteriologist is preparing the proceedings of the Canal Zone Medical Association for publication, and the chief of laboratory is collecting material and data for the San Francisco exhibit.

Form for disabled.—During the month there were planted out 6,500 pineapple plants, 375 coconuts, 300 papayas, and 8 acres of Para grass; built 4,480 feet of wire fence and cleaned off site for cow barns. Cultivated corn, yams, bananas, yucca, Kaffir corn, sorghum, and vegetable garden.

Insane department.—During the month there were 22 admissions to the observation ward, and 2 patients were returned from the hospital proper where they had been transferred for surgical reasons.

Of the 18 discharges from the institution there were 11 recoveries, 1 was improved, and 6 were unimproved, the latter being deported to Barbados 2, England 1, Holland 2, and Spain 1.

Two deaths occurred within the month, 1 being an acute case and the other of a chronic nature.

The government of Jamaica has recently authorized the repatriation of 10 male and 10 female Jamaicans at present in the asylum, and it is expected that they will be deported in the next few weeks.

Negotiations have been initiated with the representatives in Panama of several foreign Governments with a view to the repatriation of their respective nationals also.

The health of the insane population was unusually good. No cases of malaria were admitted, nor did any develop either among the patients or employees.

The manual occupations of the patients, both at the Corozal farm and asylum, are making satisfactory progress, and the beneficial effects to them, as well as the economic value to the institution, are steadily becoming manifest.

Detailed statistics are shown in Table XIII.

COLON HOSPITAL.

The highest number of patients treated on any one day during the month was 57, the lowest number 41, the daily average being 48.16. The average number of employees constantly sick was 33.70. The average number of days' treatment per employee was 6.64.

Chronic ward.—There were 25.19 chronic and incurable patients constantly cared for during the month.

Detailed statistics are shown in Table XIV.

PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 51, an increase of 2 over the previous month.

Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

During the month a total of 1,307 cases were treated in the different wards, showing an increase over the preceding month. The daily average for the month was 362, a decrease of 6 from the preceding month. The total number of hospital days was 11,231; the per capita cost was \$0.8428 United States currency per day, and the subsistence cost \$0.235 per day.

The deaths for the month totaled 77, an increase of 14 over the preceding month. The births were 80, a decrease of 7 from the preceding month.

Malaria was the predominant disease treated, the rate being considerably higher than for the month preceding.

For the first time in many months the hospital was entirely free from typhoid fever, pneumonia, or dysentery on the first day of the month. Scarlet fever seems to be slightly on the increase, as does diphtheria and varicella.

During the month the new home for the pupil nurses was completed and at once occupied. Preparations for converting the former dormitory of the maternity pupils into an additional ward have been made, and this new ward should be ready for occupancy before the end of August.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSARIES.

The district having the largest admission rate for malaria was Toro Point, with an average weekly percentage of 1.24; that having the lowest admission rate for malaria was Culebra, with a percentage of .11.

Detailed statistics are shown in Table IX.

SANITATION DIVISION.

CANAL ZONE.

The malaria rate has been maintained at an exceptionally low level, considering the season and the fact that percentages are figured on a new, careful, and considerably lowered census.

As foreseen last month, very extensive *Anopheles* breeding areas developed back of San Miguel, but as work was undertaken early for the control of this, it is thought that serious harm will not result.

One case of typhoid fever developed in the zone in June.

Malaria carriers are now being brought under treatment to a greater extent than formerly, but not nearly all yet receive it. The negro towns are in even better condition than last month. The expenses of mosquito-prevention work are less in most towns than in any previous July, while the catches and the malaria rate indicate that the results are good.

Detailed statistics are shown in Table XVII.

PANAMA.

STREET CLEANING.

The new equipment for the street-cleaning service has arrived and will be set up and placed in operation as soon as practicable. With this new equipment we expect to be able to overcome the raising of dust clouds which are common where street brooms are used.

GARBAGE COLLECTION.

Garbage-collection service was satisfactorily maintained during the month, and all refuse matter received at the dump was cremated. A start was made on erecting an incinerator for cremating manure and will be placed in operation during the coming month. At this incinerator all manure collected in the city will be handled; this will allow a more rapid cremation of garbage at dump No. 2.

BUILDING INSPECTION.

It was found necessary to condemn 179 buildings during the month, and of this number 23 were demolished, 21 by the owners and 2 by the forces of this office. A total of 153 permits were issued for new buildings and repairs to old buildings. The status of building construction work since April 1 is shown below:

	Number of permits issued.	Number com- pleted.	Per cent.
April.....	131	86	66
May.....	175	75	42
June.....	207	70	31

Arrangements have been made so that property owners can secure high-grade gravel for their cement work. This will be of considerable benefit to all concerned, as it will allow of a better class of work than was possible under the old plan of using a low-grade sand which was the only kind obtainable in this city. Special attention is being given to the rat-proofing feature of all buildings in the city.

MOSQUITO, FLY, AND RAT WORK.

Fewer mosquito-breeding places were found during the month than has been reported for the two previous months, as shown by May, 1,400; June, 1,185; July, 752. There is also a slight reduction in the number of fly-breeding places found, there being 1,209 such areas located during July, as against 1,336 for the month of June. There was a total catch of 714 rats for the month; of this number 669 were sent to the laboratory for examination for plague. No plague-infected rats were found or reported during the month.

SCORE CARDS.

Hotels, restaurants, aerated water factories, breweries, ice cream parlors, dairies, and bakeries were regularly inspected during the month, and conditions found in these several places noted on the score card.

VACCINATIONS.

The work of vaccinating children was completed during the month, when 342 children were vaccinated, making a grand total of 5,186 children vaccinated. The work of vaccinating adults will be started during the coming month.

CONTAGIOUS DISEASES.

The following contagious diseases were reported during the month:

	Cases.
Diphtheria.....	4
Scarlet fever.....	3
Typhoid fever.....	2

All of the above cases were isolated as soon as found, and precautions taken to prevent the spread of the disease in each case. Of the two typhoid cases reported, one was contracted in Chorrea and is not chargeable to this district; the other case was presumably contracted in this city. Diagnosis of both cases was made on the Bass-Watkins agglutination test; Widal's in both cases was negative; no blood cultures were made. These cases were isolated and treated in the hospital.

Detailed statistics are shown in Table XVII.

COLON.

A special propaganda for cleanliness has been inaugurated through the press and posters, the slogan being "Clean up for opening day."

An arrangement has been made with the municipality for the collection and destruction of all unlicensed dogs in the city, and the work is already in progress.

A special effort is being made to keep the sidewalks clean and in good repair.

The antirat campaign has been maintained. The Panama Railroad freight office has been made rat-proof, and the condition of the docks has been greatly improved.

The progress of vaccination has been temporarily suspended, until the arrival of additional vaccine.

Three cases of diphtheria have been the only communicable diseases reported during the month.

Detailed statistics are shown in Table XVII.

QUARANTINE SERVICE.

The plague situation in Havana, Cuba, appears to show an improvement, doubtless due to the active measures being taken. No report of any additional cases occurring at Santiago has been received.

Measures for plague eradication are being actively taken in New Orleans, and ships arriving from that port have complied with our regulations and are not being detained.

The situation regarding plague and yellow fever in South America remains about the same.

No quarantinable disease has arrived at any of the Isthmian ports during the past month.

Detailed statistics are shown in Table XVIII.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

Color.	Number of employees.	Admissions to hospitals.			Died.			Noneffective from sickness.	
		Total.	Dis-ease.	External causes.	Total.	Dis-ease.	External causes.	Days treated.	Constantly noneffective.
<i>July, 1914.</i>									
White....	7, 113	267	229	38	5	1	4	3, 916	126. 33
Colored..	39, 503	688	499	189	22	15	7	11, 983	386. 56
Total	46, 616	955	728	227	27	16	11	15, 899	512. 89
<i>June, 1914.</i>									
White....	8, 350	304	244	60	2	1	1	4, 676	155. 88
Colored..	39, 229	622	457	165	18	12	6	12, 008	400. 27
Total	47, 579	926	701	225	20	13	7	16, 684	556. 15
<i>July, 1913.</i>									
White....	12, 317	717	595	122	4	2	2	11, 428	368. 64
Colored..	45, 643	1, 004	626	378	33	24	9	15, 868	511. 88
Total	57, 960	1, 721	1, 221	500	37	26	11	27, 296	880. 52

PROPORTIONATE NUMBERS.¹

Color.	Number of employees.	Admissions to hospitals.			Died.			Malaria to hospital.	Total.
		Total.	Dis-ease.	External causes.	Total.	Dis-ease.	External causes.		
<i>July, 1914.</i>									
White....	7, 113	450. 44	386. 33	64. 11	8. 44	1. 69	6. 75	2. 83	17. 76
Colored..	39, 503	208. 99	151. 58	57. 41	6. 68	4. 56	2. 12	1. 44	9. 78
Total	46, 616	245. 84	187. 40	58. 44	6. 95	4. 12	2. 83	1. 66	11. 00
<i>June, 1914.</i>									
White....	8, 350	436. 89	350. 66	86. 23	2. 86	1. 43	1. 43	3. 15	18. 67
Colored..	39, 229	190. 27	139. 79	50. 48	5. 50	3. 67	1. 83	1. 29	10. 20
Total	47, 579	233. 55	176. 80	56. 75	5. 04	3. 28	1. 76	1. 62	11. 69
<i>July, 1913.</i>									
White....	12, 317	698. 55	579. 69	118. 86	3. 90	1. 95	1. 95	(²)	29. 93
Colored..	45, 643	263. 96	164. 58	99. 38	8. 68	6. 31	2. 37	(²)	11. 21
Total	57, 960	356. 31	252. 79	103. 52	7. 66	5. 38	2. 28	.....	15. 19

¹ Annual average per 1,000.² No record.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE—Continued.

Place.	Popu-lation.	Deaths.			Annual average per 1,000.		
		Total.	Dis-ease.	Ex-ternal causes.	Total.	Dis-ease.	Ex-ternal causes.
<i>July, 1914.</i>							
Panama.....	62,172	176	172	4	33.97	33.20	0.77
Colon.....	20,232	68	66	2	40.33	39.14	1.19
Canal Zone.....	37,702	54	46	8	17.19	14.64	2.55
Total.....	120,106	298	284	14	29.77	28.37	1.40
<i>June, 1914.</i>							
Panama.....	47,172	156	150	6	39.68	38.16	1.52
Colon.....	20,232	48	44	4	28.47	26.10	2.37
Canal Zone.....	5,655	44	42	2	9.66	9.22	.44
Total.....	122,059	248	236	12	24.38	23.20	1.18
<i>July, 1913.</i>							
Panama.....	47,172	130	122	8	33.07	31.03	2.04
Colon.....	20,232	43	40	3	25.50	23.72	1.78
Canal Zone.....	63,390	98	87	11	18.55	16.47	2.08
Total.....	130,794	271	249	22	24.86	22.84	2.02

TABLE II.—DEATHS BY AGE, COLOR, AND SEX.

Age.	White.			Colored.			Yellow.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under one year.....	4	2	6	55	37	92	.....	.....	.....	59	39	98
1 to 4 years.....	1	.....	1	18	9	27	.....	1	1	19	10	29
5 to 10 years.....	.....	2	2	1	.....	1	.....	.....	.....	1	2	3
11 to 20 years.....	1	.....	1	2	9	11	.....	.....	.....	3	9	12
21 to 30 years.....	4	1	5	38	18	56	.....	.....	.....	42	19	61
31 to 40 years.....	3	4	7	20	10	30	.....	.....	.....	23	14	37
41 to 50 years.....	3	.....	3	12	10	22	1	.....	1	16	10	26
51 to 60 years.....	1	2	3	4	4	8	.....	.....	.....	5	6	11
61 to 70 years.....	2	1	3	2	2	4	.....	.....	.....	4	3	7
71 to 80 years.....	.....	1	1	1	4	5	.....	.....	.....	1	5	6
91 to 100 years.....	.....	.....	.....	1	1	2	.....	.....	.....	1	1	2
Not stated.....	.....	.....	.....	5	1	6	.....	.....	.....	5	1	6
Total.....	19	13	32	159	105	264	1	1	2	179	119	298

TABLE III.—DEATHS, BY NATIONALITY.

Nation.	Employees.	Nonem- ployees.	Total.
Antigua.....		3	3
Barbados.....	8	26	34
Chile.....		1	1
China.....		1	1
Colombia.....	1	3	4
Costa Rica.....		1	1
Cuba.....		1	1
Demerara.....		1	1
Ecuador.....		1	1
England.....		1	1
Guadeloupe.....	1		1
Haiti.....	1	1	2
Jamaica.....	7	53	60
Martinique.....	2	5	7
Mexico.....		1	1
Panama.....	1	140	141
Spain.....		7	7
St. Kitts.....		1	1
St. Lucia.....		7	7
St. Thomas.....		1	1
St. Vincent.....		1	1
Trinidad.....	1	2	3
United States.....	5	5	10
Venezuela.....		3	3
West Indies.....		4	4
Unknown.....		1	1
Total.....	27	271	298

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS CONNECTED WITH THE PANAMA CANAL.

	Cases.	Cause of death.	Number of deaths.	Annual average per 1,000.
White employees from the United States.....	5,248	Disease.....	1	2.29
		Violence.....	4	9.14
		All causes.....	5	11.43
White women and children from the United States.....	3,796	Disease.....	1	3.16
		Violence.....		
		All causes.....	1	3.16
White employees and their families from the United States.....	9,044	Disease.....	2	2.65
		Violence.....	4	5.31
		All causes.....	6	7.96
Total number of Americans on the Canal Zone.....	11,511	Disease.....	2	2.09
		Violence.....	5	5.21
		All causes.....	7	7.30

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD.

Causes of death.	White.	Colored.	Total.
Disease:			
Apoplexy.....	1		1
Dysentery, unclassified.....		1	1
Infection, undetermined.....		1	1
Leuchemia, lymphatic.....		1	1
Lobar pneumonia.....		3	3
Malignant endocarditis.....		1	1
Purulent infection and septicaemia.....		1	1
Stricture of the urethra.....		1	1
Sudden death.....		1	1
Tetanus.....		1	1
Tuberculosis, acute miliary.....		1	1
Tuberculosis, disseminated.....		2	2
Uremia.....		1	1
Violence:			
Accidental drowning.....		3	3
Dynamite traumatism.....	4	2	6
Railroad traumatism.....		2	2
Total.....	5	22	27

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE.

Disease.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>General diseases.</i>				
Typhoid fever.....	1			1
Malarial fever:				
Estivo-autumnal.....		2	1	3
Tertian.....	1			1
Quartan.....	1			1
Undetermined.....	6			6
Clinical.....		2		2
Diphtheria and croup.....	1			1
Dysentery.....	1			1
Unclassified.....	2	1		3
Hemoglobinuric fever, unqualified.....			1	1
Purulent infection and septicemia.....			1	1
Septicemia.....	1	1	1	3
Tetanus.....	1		1	2
Pellagra.....	2	2		4
Beriberi.....	1			1
Tuberculosis of the lungs.....	26	7	3	36
Acute miliary tuberculosis.....	1		2	3
Tuberculous meningitis.....	1			1
Disseminated tuberculosis.....			3	3
Syphilis:				
Tertiary.....	1		1	2
Period not stated.....	1			1
Cancer and other malignant tumors of the—				
Buccal cavity.....	1	1		2
Stomach and liver.....	1			1
Peritoneum, intestines, rectum.....	1			1

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Panama.	Colon.	Canal Zone.	Total.
<i>General diseases—Continued.</i>				
Diabetes.....	1			1
Leuchemia lymphatic.....			2	2
Alcoholism:				
Acute or chronic.....	1			1
Chronic.....	1			1
<i>Diseases of the nervous system and of the organs of special sense.</i>				
Cerebral hemorrhage, apoplexy.....	1	1	1	3
Paralysis without specified cause.....		1		1
Convulsions of infants (under 5 years of age).....	2			2
<i>Diseases of the circulatory system.</i>				
Acute endocarditis.....	1		1	2
Malignant endocarditis.....	1			1
Organic diseases of the heart.....	9	3	4	16
Arteriosclerosis.....	1			1
<i>Diseases of the respiratory system.</i>				
Acute bronchitis.....	4	8		12
Chronic bronchitis.....		1		1
Broncho-pneumonia.....	7	2		9
Pneumonia (unqualified).....	3			3
Lobar pneumonia.....	2	5	3	10
Pleurisy.....	1			1
Gangrene of the lungs.....			1	1
Other diseases of the respiratory system (tuberculosis excepted).....		1		1
<i>Diseases of the digestive system.</i>				
Ulcer of the stomach.....	1			1
Acute gastritis.....		3		3
Chronic gastritis.....		1		1
Acute indigestion.....		1	1	2
Diarrhea and enteritis (under 2 years).....	36	1	4	41
Diarrhea and enteritis (2 years and over).....	2	1		3
Appendicitis and typhlitis.....		1		1
Other hernias.....	1			1
Intestinal obstruction.....	1			1
Other diseases of the intestines.....	1			1
Cirrhosis of the liver.....	3	2		5
Other diseases of the liver.....	1			1
Abscess of liver (unqualified).....	2			2
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>				
Acute nephritis.....	1			1
Bright's disease (chronic nephritis).....	13	3	1	17
Other diseases of the kidney and annexa.....	1			1
Diseases of the urethra, urinary abscess, etc.....			1	1
Uterine tumor (noncancerous).....	1			1
Salpingitis and other diseases of the female genital organs.....	1		1	2

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>The puerperal state.</i>				
Hyperemesis gravidarum.....	1	.....	.....	1
Puerperal septicemia.....	2	.....	.....	2
<i>Diseases of the bones and of the organs of locomotion.</i>				
Osteomyelitis.....	1	.....	.....	1
<i>Malformations.</i>				
Congenital malformations (stillbirths not included).....	.....	1	.....	1
<i>Diseases of early infancy.</i>				
Congenital debility, icterus, and sclerema.....	1	.....	.....	1
Premature birth.....	4	.....	4	8
Inc. congenital debility.....	1	2	.....	3
Malnutrition.....	5	9	6	20
Other causes peculiar to early infancy (including various consequences of labor).....	1	.....	.....	1
<i>Old age.</i>				
Senility.....	.....	1	2	3
<i>Affections produced by external causes.</i>				
Suicide by drowning.....	.....	1	.....	1
Accidental drowning.....	2	.....	1	3
Traumatism by machines.....	1	.....	.....	1
Railroad traumatism.....	.....	1	2	3
Dynamite traumatism.....	1	.....	5	6
<i>Ill-defined diseases.</i>				
Sudden death.....	1	.....	.....	1
Cause of death not specified or ill defined.....	3	2	.....	5
Infections of undetermined origin.....	1	.....	.....	1
Total.....	176	68	54	298
Stillbirths.....	10	8	4	22
Grand total.....	186	76	58	320

TABLE VII.—TABLE SHOWING ADMISSIONS, AND DEATHS IN JULY,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>General diseases.</i>												
Typhoid fever.....	1											
Typhoid prophylaxis.....												
Malarial fever:												
Estivoautumnal.....	15	7	129				15	9	23			1
Tertian.....	1	11	12				8	1	6			
Quartan.....			6				1		1			
Clinical.....	16	15	52				23	10	16			
Cachexia.....		1										
Measles.....									1			
Diphtheria and croup.....								4	1			1
Croup.....								1	1			
Influenza.....	7						1	1				
Dysentery.....												
Enteemic.....			3									
Unclassified.....	1		6			1		1				
Leprosy.....									1			
Dengue.....								1				
Hemoglobinuric fever, un-												
qualified.....								1			1	
Filariasis.....			1									
Purulent infection and												
septicemia.....						1			1			
Septicemia.....			1									
Tetanus.....			1			1						
Pellagra.....			1						2			
Tuberculosis of the lungs.....			5					1	2			1
Acute miliary tuberculosis.....			1			1					1	1
Tuberculous meningitis.....								1			1	
Abdominal tuberculosis.....												
Tuberculosis of other organs.....			1									
Tuberculous abscess.....			1									
Disseminated tuberculosis.....			2			2			1			1
Syphilis:												
Secondary.....	5	1	8				1		2			
Tertiary.....		1	4				1	5	6			1
Period not stated.....	3		19				4	1	1			
Gonorrhea.....	4	3	22				10	3	1			
Gonorrheal arthritis.....	1	1	1				1	1				
Gonorrheal bubo.....		1	5						1			
Gonorrheal orchitis and												
epididymitis.....	1		1					1				
Gonorrheal ophthalmia.....								1	1			

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN
OF JULY,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.		Black.	Americans.		Black.	Soldiers.		Black.	Soldiers.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>General diseases—Contd.</i>												
Soft chancre	3	1	8				7	2				
Adenitis chancroidal	1		5					1				
Cancer and other malignant tumors of the—												
Stomach and liver								1				
Female genital organs								1	2			
Other organs and of organs not specified								1	1			
Other tumors (tumors of the female genital organs excepted)	2	1	1									
Acute articular rheumatism	1								1			
Diabetes									1			1
Leuchæmia lymphatic			1			1						
Hodgkin's disease			2									
Anemia secondary, cause not determined	1											
Purpura hemorrhagica									1			
Alcoholism:												
Acute	1						1					
Chronic	1							1				
Alcoholic psychosis			2						1			
Other chronic poisonings								2				
<i>Diseases of the nervous system and of the organs of special sense.</i>												
Cerebral hemorrhage apoplexy	1		1	1								
Other forms of mental alienation	1		2						8			
Dementia precox			2					1	3			
Epilepsy			1					1				
Hysteria								2	1			
Neuritis	1	1					1					
Other diseases of the nervous system			1					2				
Neurasthenia	2						1	3				
Diseases of the eyes and their annexa	1	2	9				1	4	10			
Follicular conjunctivitis									1			
Diseases of the ears	5	3	2				1	3				

THE HOSPITALS OF THE PANAMA CANAL FOR THE MONTH
1914—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
White			White			White			White			White			White			White			White		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
							2					3	1	8				7	2				
												1		5				3					
																			1				
																			1	2			
							1											2	1				
												2	1	1									
												1											
																			1				
											1			2					1				1
												1											
2							1	1				3						1	1	1			
												1						1					
2												2		2				2		1			
												1		1									
												1		2									
	3	1					1	2				1	3	3					8				
		1												2				2	5				
1												2	1					1	1				
														1									
												2		1				2					
																		1	3				
		1										1	2	10				1	4	10			
		1										5	3	3				1	3				

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN
OF JULY.

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the circulatory system.</i>												
Malignant endocarditis.....			1			1						
Organic diseases of the heart			6					2				
Aneurysm.....								1				
Arteriosclerosis.....	1											
Embolism and thrombosis.												
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	1						1					
Hemorrhoids.....	1		5				1	3	1			
Varicocele.....	4											
Diseases of the lymphatic system (lymphangitis, etc.).....								1				
Lymphadenitis (nonvenereal).....		1	2						1			
Hemorrhage; other diseases of the circulatory system.												
<i>Diseases of the respiratory system.</i>												
Diseases of the nasal fossæ..	5		4				1	2				
Adenoid vegetations.....			1									
Myiasis of nasal fossæ and sinuses.....			1									
Diseases of the larynx.....								1				
Laryngitis.....												
Diseases of the thyroid body.....								1				
Acute bronchitis.....	2	1	7					1				
Chronic bronchitis.....												
Broncho-pneumonia.....			1					1				2
Lobar pneumonia.....			3			1			1			1
Pleurisy.....	1		10						3			
Pulmonary congestion, pulmonary apoplexy.....	1											
Gangrene of the lungs.....									1			
Asthma.....			1									

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN
OF JULY,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.		Black.	White.		Black.	White.		Black.	White.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>Diseases of the digestive system.</i>												
Diseases of the teeth and gums			2						1			
Stomatitis									1			
Diseases of the pharynx		1	4				1	3	4			
Pharyngitis		1	1									
Follicular tonsillitis	4		3				4	11				
Ulcer of the stomach								1				
Other diseases of the stomach (cancer excepted)	2							1				
Gastrectasis								1				
Acute gastritis												
Chronic gastritis	2							1				
Acute indigestion			1					2	6			
Diarrhea and enteritis (under 2 years)								3	7		1	2
Colitis	1											
Diarrhea and enteritis (2 years and over)	1							1	2			
Colitis	1		1									
Ankylostomiasis			2									
Intestinal parasites								1				
Ascariasis								1				
Appendicitis and typhlitis							1					
Acute appendicitis		1					2	5				
Chronic appendicitis								3				
Inguinal hernia	1		4						3			
Other diseases of the intestines	2							4	1			
Constipation	7		1				1	1				
Cirrhosis of the liver								2				
Biliary calculi	1							3				
Other diseases of the liver			1				1					
Abscess of the liver:												
Unqualified			1									
Entamæbic			1									
Cholecystitis	2	1										
Simple peritonitis (nonpuerperal)									1			
Other diseases of the digestive system (cancer and tuberculosis excepted)		2	1				1	1				

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN
OF JULY,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>												
Acute nephritis.....									1			
Bright's disease (chronic nephritis).....	2		3					4	3			
Chyluria.....												1
Other diseases of the kidney and annexa.....	1		1					1	2			
Bilharziasis of urinary tract.....												1
Pyelo-nephrosis.....			1									
Calculi of the urinary passages.....								2				
Diseases of the bladder.....			1									
Cystitis.....	1		1					1				
Diseases of the urethra, urinary abscess, etc.....		1			1			1				
Stricture of the urethra, non-venereal.....			4					2				
Diseases of the prostate.....								1				
Nonvenereal diseases of the male genital organs.....		1						2	1			
Hydrocele.....	1							1				
Uterine tumor (noncancerous).....									2			
Other diseases of the uterus.....								5	1			
Metritis.....	1							1				
Salpingitis and other diseases of the female genital organs.....								2	6		1	1
Nonpuerperal diseases of the breast (cancer excepted).....									1			
<i>The puerperal state.</i>												
Normal labor.....								12	2			
Accidents of pregnancy.....								4	1			
Extra-uterine pregnancy.....									1			
Hyperemesis gravidarum.....								1	1			
Abortion.....								1	1			
Other accidents of labor.....								3	2			
Puerperal diseases of the breast.....								1				

THE HOSPITALS OF THE PANAMA CANAL FOR THE MONTH
1914—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
White			White			White			White			White			White			White			White		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
		2			1		1					2	5				1		5	3			1
												1	1					1	2				1
													1										
																		2					
	1											1	1	1				1					
		2											1	2		1		1					
														4				2					
																		1					
							1					1						2	1	1			
							1											5	3				
							1					1						1	2				
							2											2	8		1	1	
																			1				
							2	1										14	3				
																		4	1				
																			1	1			
							1											1	2	1			
																		3					
																		1					

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN
OF JULY.

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the skin and of the cellular tissue.</i>												
Gangrene.....			1									
Furuncle.....	1	2	1				1	2				
Carbuncle.....								1				
Acute abscess.....	4	1	5				2	2	6			
Phlegmon and cellulitis.....	1	1	2					1				
Pemphigus contagious.....		1										
Ulcer of the skin.....		1	1									
Tropical ulcer.....		1										
Impetigo contagiosa.....								2				
Ingrowing nail.....	1						1					
Other diseases of the skin and annexa.....			2				1	5	2			
<i>Diseases of the bones and of the organs of locomotion.</i>												
Diseases of the bones (tuberculosis excepted).....	1							1				
Diseases of the joints (tuberculosis and rheumatism excepted).....	1							1				
Arthritis.....							1					
Synovitis.....								1				
Amputations.....								1				
Other diseases of the organs of locomotion.....	1	1	2				1	2				
<i>Malformations.</i>												
Congenital malformations (stillbirth not included).....								1	1			1
<i>Diseases of early infancy.</i>												
Newborn child.....								15	2			
Premature birth.....								1			2	
Malnutrition.....									1			
<i>Old age.</i>												
Senility.....									1			

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN
OF JULY,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Affections produced by external causes.</i>												
Poisoning by food.....		1		3				2				
Other acute poisonings.....	1			1								
Burns (conflagration excepted).....				3				2	1			
Traumatism by firearms.....				1			1					
Traumatism by cutting or piercing instruments.....				26								
Traumatism by fall.....	1	2		5			1	1				
Traumatism by machines.....	1	1		9								
Traumatism by other crushings (vehicles, railroads, landslides, etc.).....	2	9		9								
Railroad traumatism.....		1		3			1					
Dynamite traumatism.....	2			9	1							
Traumatism by landslides.....				1								
Starvation.....									1			
Homicide by cutting or piercing instruments.....				1								
Fractures (cause not specified).....	2	2		5			1	1	1			
Sprains.....	1			9								
Other external violence.....	2	6		76			3	4	3			
<i>Ill-defined diseases.</i>												
Ill-defined organic disease.....							1					
Infections of undetermined origin.....		1		1		1		1	1			
No disease.....		1		2				23	6			
Feigned disease.....				1								
Total.....	146	91	574	2	1	10	106	240	181		7	17

THE HOSPITALS OF THE PANAMA CANAL FOR THE MONTH
1914—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
White			White			White			White			White			White			White			White		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
...
...	1	1	...	...	...	...	1	3	...	...	...	...	3	1	...	...	...
...	1	...	...	...	...	...	...	...	...	...
...	3	...	...	...	...	...	2	1	...	...	...
...	1	...	...	...	...	1	...	...	...	...	1	...	1	...	...	...
...	...	2	...	...	...	...	...	1	...	...	...	...	28	...	...	...	...	...	...	1	...	...	...
...	...	2	...	...	...	...	...	2	...	...	...	1	2	7	...	...	...	1	1	2	...	...	...
...	1	6	...	...	...	...	...	...	...	...	...	1	2	15	...	...	...	...	...	...	...	...	...
...
...	1	2	16	...	...	1	...	1	3	...	...	3	11	25	...	...	1	...	1	3	...	...	...
...	1	3	...	...	...	...	...	...	...	...	...
...	...	1	...	...	...	...	...	1	...	...	...	2	...	10	1	...	...	...	...	1	...	...	...
...	1	...	...	...	...	...	1	...	...	...
...	1	...	...	...	...	...	...	...	...	...	...
...
...	...	1	...	...	...	...	...	...	...	...	...	2	2	5	...	...	...	1	1	1	...	...	...
...	1	...	10	...	...	...	...	...	...	...	...	...
...	2	6	76	...	...	...	3	4	3	...	...	...
...	1	...	...	...	...	...
...	1	1	...	...	1	...	1	1	...	...	...
...	1	2	...	...	...	1	2	...	...	...	...	24	8	...	...	...	...
...	1	...	...	...	...	...	...	...	...	...	...
8	22	114	...	...	4	2	30	38	...	2	1	154	113	688	2	1	14	108	270	219	...	9	18

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

Hospitals.	Remaining July 1.		Admitted.		Died.		Discharged.		Transferred.		Remaining July 31.		Average number constantly sick.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	White.	Colored. Total.
<i>Ancon Hospital.</i>														
Panama Canal employees.....	82	228	198	461	2	10	204	431	10	74	238	76.54	243.19	319.73
Panama Railroad employees.....	15	55	39	107	.....	.....	37	93	1	16	69	15.19	58.16	73.35
Pay patients (Republic of Panama)	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1.61	1.61
Other pay patients.....	180	69	322	130	4	10	377	143	1	120	45	142.15	44.88	187.03
Charity patients.....	25	4	22	35	3	6	28	8	3	16	22	14.00	31.22	45.22
Total.....	302	358	581	733	9	26	646	675	2	15	226	247.88	379.06	626.94
<i>Insane department.</i>														
Panama Canal employees.....	7	22	.....	4	.....	1	1	3	1	2	5	6.29	22.03	28.32
Panama Railroad employees.....	.....	10	.....	2	.....	.....	.....	1	.....	.....	11	.....	11.06	11.06
Republic of Panama pay patients.	13	157	.....	14	.....	.....	.....	3	2	11	168	12.10	168.25	180.35
Other pay patients.....	4	6	1	.....	.....	.....	1	.....	.....	4	6	4.74	6.00	10.74
Charity patients.....	9	75	1	2	.....	1	.....	3	1	9	72	8.87	68.29	77.16
Total.....	33	270	2	22	.....	2	2	10	4	3	29	32.00	275.63	307.63
Grand total.....	335	628	583	755	9	28	648	685	6	18	255	279.88	654.69	934.57
<i>Corozal farm.</i>														
Panama Canal employees.....	7	43	1	3	.....	.....	1	1	.....	3	7	7.00	41.77	48.77

Colon Hospital.

Panama Canal employees.....	21	22	81		3	12	59	2	19	8	21	3.22	20.58	23.80
Panama Railroad employees.....	3	8	33		1	10	21		16	1	8	1.64	8.25	9.89
Private pay patients.....	3	19	20			13	10	5	8	4	3	4.06	3.51	7.57
Republic of Panama pay patients.....	1	5	12	1		5	3		9		1	1.51	2.54	4.05
Charity patients.....	1	8	6	1	1	6	2		4	1		2.32	.48	2.80
Total.....	7	62	152	2	5	46	95	7	56	14	33	12.75	35.36	48.11

CHRONIC WARD.

Charity patients.....	26		3				5				24		25.19	25.19
-----------------------	----	--	---	--	--	--	---	--	--	--	----	--	-------	-------

Palo Seco Leper Asylum.

Republic of Panama pay patients.....	2	30	2		1					2	31	2.00	33.87	35.87
Charity patients.....	2	15	1							2	16	2.00	15.18	17.18
Total.....	4	45	3		1					4	47	4.00	49.05	53.05

Grand totals.

Panama Canal employees.....	96	314	221	549	2	14	218	494	3	34	94	321	327.57	420.62
Panama Railroad employees.....	18	78	47	142		1	47	115	1	16	17	88	77.47	94.30
Republic of Panama pay patients.....	16	190	5	28	1	1	5	6	2	10	13	201	206.27	221.88
Other pay patients.....	187	76	342	150	4	10	391	153	6	9	128	54	54.39	205.34
Charity patients.....	36	121	31	47	.4	8	34	18	1	8	28	134	140.36	167.55
Total.....	353	779	646	916	11	34	695	786	13	77	280	798	806.06	1,109.69

Number of employees remaining in hospitals:

White.....	111
Colored.....	409

Total..... 520

TABLE IX.—CONSOLIDATED DISPENSARY REPORT OF EMPLOYEES TREATED IN QUARTERS AND ALL CASES TREATED BUT NOT EXCUSED.

Stations.	Employees treated in quarters.														
	Re- main- ing July 1.		Ad- mitted.		Died.		Dis- charged.		Trans- ferred.		Re- main- ing July 31.		Days lost.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	Total.
Naos Island.....	2	1	26				1	24		2		2	2	37	39
Balboa.....	1	1	50	35			35	24	14	11	2	1	76	51	127
Corozal.....	1		90				82		3		6		151		151
Pedro Miguel.....	1		16				15		2				31		31
Paraiso.....			16				12		1		3		50		50
Culebra.....	1	3	1	28			2	29			2	4	55		59
Empire.....	1	3	29	7			30	9			1	62	66		128
Gamboa.....															
Gatun.....	2	2	32	12			30	14	3		1		86	48	134
Cristobal.....	14	29	103	110			108	118			9	21	265	463	728
Margarita Point.....				4						4				2	2
Total.....	21	40	338	222			315	218	23	17	21	27	727	722	1,449

Stations.	All cases treated but not excused.								
	Employees.			Nonemployees.			Total.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
Naos Island....	123	1,288	1,411				123	1,288	1,411
Balboa.....	3,696	4,028	7,724	115	138	253	3,811	4,166	7,977
Corozal.....	1,508	1,183	2,991	486	69	555	2,294	1,252	3,546
Pedro Miguel.....	475	1,021	1,496	423	58	481	898	1,079	1,977
Paraiso.....	681	1,356	2,037	432	652	1,084	1,113	2,008	3,121
Culebra.....	346	898	1,244	226	369	595	572	1,267	1,839
Empire.....	689	977	1,666	420	388	808	1,109	1,365	2,474
Gamboa.....	58	190	248	58	372	430	116	562	678
Gatun.....	830	1,212	2,042	713	421	1,134	1,543	1,633	3,176
Cristobal.....	1,031	2,576	3,607	471	361	832	1,502	2,937	4,439
Margarita Point.....									
Total....	74	479	553				74	479	553
Total....	9,811	15,208	25,019	3,344	2,828	6,172	13,155	18,036	31,191

CONSOLIDATED ADMISSION REPORT.

	White.	Colored.	Total.
Total admissions to hospitals, excluding Corozal Farm and Colon chronic ward.....	645	910	1,555
Total admissions of employees to quarters.....	338	222	560
Total.....	983	1,132	2,115
Less number of patients transferred between hospitals and from quarters to hospitals, whose admissions are duplicated in above figures.....	36	91	127
Net admissions to hospitals and quarters....	947	1,041	1,988
Net admissions of employees to hospitals and quarters.....	578	846	1,424
Annual average per thousand of admissions of employees to hospitals and quarters.....	975.12	256.99	366.57

TABLE X.—AVERAGE NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	98.03	334.45	432.48
Colon Hospital.....	4.86	28.83	33.69
Total.....	102.89	363.28	466.17
Quarters:			
Naos Island.....	.06	1.19	1.25
Balboa.....	2.45	1.65	4.10
Corozal.....	4.87	.....	4.87
Pedro Miguel.....	1.00	.....	1.00
Paraiso.....	1.61	.....	1.61
Culebra.....	.13	1.77	1.90
Empire.....	2.00	2.13	4.13
Gatun.....	2.77	1.55	4.32
Cristobal.....	8.55	14.93	23.48
Margarita Point.....	.....	.06	.06
Total.....	23.44	23.28	46.72
	Hospitals.	Quarters.	Total.
Average number of employees constantly sick:			
White.....	102.89	23.44	126.33
Colored.....	363.28	23.28	386.56
Total.....	466.17	46.72	512.89
Average number of employees constantly sick per 1,000:			
White.....	14.46	3.30	17.76
Colored.....	9.19	.59	9.78
Total.....	10.00	1.00	11.00

TABLE XI.—AVERAGE NUMBER OF DAYS' TREATMENT PER EMPLOYEE IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	23.45	16.04	18.32
Colon Hospital.....	4.75	7.02	6.64
Quarters:			
Naos Island.....	2.00	1.62	1.63
Balboa.....	1.53	1.43	1.49
Corozal.....	1.85	.....	1.85
Pedro Miguel.....	1.94	.....	1.94
Paraiso.....	2.23	.....	2.23
Culebra.....	2.50	2.03	2.06
Empire.....	2.10	10.11	3.95
Gatun.....	2.67	3.57	2.94
Cristobal.....	3.06	4.68	3.91
Margarita Point.....	.....	.50	.50

TABLE XII.—FINANCIAL STATEMENT.

	May, 1914.	April, 1914.	May, 1913.
Administration, chief health office.....	\$1,958.88	\$2,264.34	\$3,020.67
Hospital division:			
Ancon Hospital.....	41,894.99	41,497.16	44,577.65
Corozal farm.....	1,391.77	2,019.52	763.24
Colon Hospital.....	2,404.81	2,073.81	15,961.78
Chronic ward.....	248.80	288.59	.....
Taboga Sanitarium.....	.....	.....	2,444.10
Palo Seco Leper Asylum.....	1,159.32	1,182.40	1,186.01
Santo Tomas Hospital.....	925.00	924.00	860.00
Medical-storehouse.....	.....	.....	724.77
Construction and repairs to buildings.....	1,800.41	587.85	848.39
Total.....	49,825.10	48,573.33	67,365.94
Dispensaries:			
Naos Island.....	260.89	247.80	201.56
Balboa.....	821.49	954.48	585.05
Tivoli.....	.....	742.79	664.29
Corozal.....	535.40	727.76	610.37
Miraflores.....	.....	.....	413.36
Pedro Miguel.....	417.69	407.79	562.54
Paraiso.....	612.28	595.45	459.44
Culebra.....	660.83	745.41	866.43
Empire.....	703.75	902.87	979.89
Las Cascadas.....	.....	.....	503.76
Gamboa.....	131.04	121.45	.....
Bas Obispo.....	.....	.....	641.14
Gorgona.....	.....	.....	732.33
Gatun.....	664.43	922.16	1,601.31
Cristobal.....	995.29	987.20	937.02
Margarita Point.....	119.84	109.11	152.04
Toro Point.....	241.57	242.42	401.27
Porto Bello.....	.....	288.59	458.09
Total.....	6,164.50	7,995.28	10,769.89

TABLE XII.—FINANCIAL STATEMENT—Continued.

	May, 1914.	April, 1914.	May, 1913.
Sanitary division:			
General inspector.....	\$80.00	\$315.00	\$525.00
Health office, Panama.....	2,981.54	3,275.28	3,472.90
Street clearing.....	4,416.01	4,132.73	833.33
Health office, Colon.....	2,348.70	1,386.97	2,665.21
Street cleaning.....	1,758.32	2,014.65	1,489.26
Zone sanitation—			
Ancon.....	2,258.74	1,195.98	1,840.28
Baltoa.....	1,266.83	1,128.53	1,540.26
Corozal.....	1,410.94	1,320.11	1,059.63
Miraflores.....			4,286.49
Pedro Miguel.....	1,369.91	2,752.30	1,890.65
Paraiso.....	1,342.42	1,446.92	1,585.40
Culebra.....	1,082.41	955.24	1,564.03
Empire.....	1,887.13	2,019.47	3,542.10
Las Cascadas.....			1,660.13
Bas Obispo.....			785.00
Matachin.....			1,117.15
Gorgona.....			1,318.80
Frijoles.....	65.00	119.30	452.20
Gatun.....	2,192.57	2,233.23	6,602.07
Cristobal and Mount Hope.....	2,383.06	2,174.06	2,299.47
Porto Bello.....		236.33	321.45
Total.....	26,843.58	26,706.10	40,850.81
Quarantine division.....	4,251.20	3,941.45	4,576.47
<i>Recapitulation.</i>			
Chief health office.....	1,958.88	2,264.34	3,020.67
Hospital division.....	49,825.10	48,573.33	67,365.94
Dispensaries.....	6,164.50	7,995.28	10,769.89
Sanitary division.....	26,843.58	26,706.10	40,850.81
Quarantine division.....	4,251.20	3,941.45	4,576.47
Grand total.....	89,043.26	89,480.50	126,583.78

TABLE XIII.—ANCON HOSPITAL.
NATIONALITY OF PATIENTS TREATED.

Class.	Total number treated.	Americans.		Other nations.	
		W.	B.	W.	B.
Hospital:					
Panama Canal employees.....	969	168	1	112	688
Panama Railroad employees.....	216	27		27	162
Panama pay patients.....	2				2
Other pay patients.....	701	353		149	199
Charity patients.....	86	35		12	39
Total.....	1,974	583	1	300	1,090
Insane asylum:					
Panama Canal employees.....	33	2		5	26
Panama Railroad employees.....	12				12
Panama pay patients.....	184			13	171
Other pay patients.....	11	5			6
Charity patients.....	87	5		5	77
Total.....	327	12		23	292
Grand total.....	2,301	595	1	323	1,382

REPORT OF DAYS LOST IN HOSPITAL.

Class.	Amer- ican.	For- eign white.	Black.	Total.
Hospital:				
Panama Canal employees.....	1, 115	1, 258	7, 539	9, 912
Panama Railroad employees.....	319	152	1, 803	2, 274
Panama pay patients.....			51	51
Other pay patients.....	2, 875	1, 532	1, 391	5, 798
Charity patients.....	298	136	968	1, 402
Total.....	4, 607	3, 078	11, 752	19, 437
Insane asylum:				
Panama Canal employees.....	40	155	683	878
Panama Railroad Co.....			343	343
Panama pay patients.....		375	5, 216	5, 591
Other pay patients.....	147		186	333
Charity patients.....	148	127	2, 117	2, 392
Total.....	335	657	8, 545	9, 537
Grand total.....	4, 942	3, 735	20, 297	28, 974

Cost of subsistence per patient per day, 27.75 cents.

WARD LABORATORY REPORT.

Blood examinations.....	1,006	Urine examinations.....	1,846
Estivo-autumnal.....	299	Albumen.....	596
Quartan.....	11	Bile.....	6
Tertian.....	42	Casts.....	504
Mixed.....	0	Epithelia.....	131
Differential counts.....	59	Guaiac tests.....	9
Hemoglobin estimations.....	109	Hemin crystals.....	1
Leucocyte counts.....	133	Indican.....	42
Red-blood counts.....	7	Pus and blood.....	412
Stool examinations.....	883	Sugar (positive 12; negative 33).....	45
Ameba.....	6	Trichomonas vaginalis.....	1
Ascaris lumbricoides.....	53	Sputum examinations.....	118
Balantidium coli.....	2	Positive for tubercle bacilli.....	18
Bilharzia.....	2	Smear examinations.....	31
Cercomonas intestinalis.....	1	Urethral (2 positive for gonococci).....	16
Ciliated monads.....	13	Vaginal.....	5
Entameba (hystolytica and tetragena).....	6	Spinal fluid.....	1
Guaiac test.....	11	Mouth, throat, etc.....	9
Pus and blood.....	119		
Strongyloids intestinalis.....	46		
Tricocephalus dispar.....	98		
Uncinaria ova.....	120		

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Leg.....	2	
Foot.....	1	
Digits, multiple.....	3	
Operations on bones:		
Laminectomy.....	1	1
Ostectomy.....	2	
Fractures, simple.....	25	
Fractures, compound.....	3	
Adenectomy:		
Inguinal, single.....	22	
Inguinal, double.....	4	
Femoral.....	2	
Herniotomy:		
Inguinal, single.....	9	
Inguinal, double.....	2	
Ventral.....	1	
Strangulated.....	1	
Genito-urinary tract:		
Nephrotomy.....	1	
Urethrotomy, internal.....	5	
Urethrotomy, external.....	3	
Varicocele, radical cure.....	3	
Hydrocele, single, radical cure.....	6	
Hydrocele, double, radical cure.....	2	
Epididymotomy.....	6	
Amputation of scrotum.....	1	
Curettagc uteri.....	8	
Perineoplasty.....	1	
Trachelorrhaphy.....	1	
Obstetrical, Cesarian section, abdominal.....	1	
Thorax, thoracotomy.....	2	1
Rectum, hemorrhoids, radical cure.....	13	
General:		
Varicose veins, excision of.....	2	
Excision of surface neoplasms.....	6	
Plastic operation for severe injuries.....	1	
Skin graft.....	3	
Laparotomy:		
Exploratory.....	1	
Appendectomy.....	4	
With local peritonitis.....	1	
Cecostomy.....	1	1
Celostomy.....	1	
Cholecystostomy.....	1	
Abscess of liver—		
Laparo-hepatotomy for.....	1	
Thoraco-hepatotomy for.....	1	
Pan-hysterectomy.....	1	
Supravaginal hysterectomy.....	4	1
Hysteromyomectomy.....	1	
Myomectomy.....	2	
Salpingectomy, double.....	1	
Salpingo-oophorectomy.....	2	
Suspensio uteri.....	6	
Various other major operations.....	4	
Minor operations, various.....	198	
Total.....	373	4

REPORT OF SURGICAL OPERATIONS IN EYE AND EAR DEPARTMENT.

Adenoidectomy.....	9
Enucleation.....	1
Expression.....	1
Pterygium excision.....	1
Pterygium transplantation.....	1
Submucous resection of nasal septum.....	8
Tonsillectomy.....	15
Ossiclectomy.....	1
Excision lachrymal gland.....	1
Plastic on nose.....	1
Excision of sarcoma of nose.....	1
	40
Various minor operations:	
Ear.....	10
Eye.....	16
Nose and throat.....	8
	34
	74
Total number of outside cases treated.....	768
Refractions.....	169

OUTPATIENT DEPARTMENT, JULY, 1914.

Clinic.	Total visits.	New cases.	Pay cases.	Prescriptions.
Medical.....	357	292	79	356
Surgical.....	355	199	37	77
Eye and ear.....	768	236	27	385
Admitting physician.....	6,325	4,764	10	2,347
Total.....	7,805	5,491	153	3,165

REPORT OF THE BOARD OF HEALTH LABORATORY.

Bacteriological examinations of—

Blood cultures.....	14
Throat cultures.....	49
Urine cultures.....	10
Stool cultures.....	36
Pus.....	1
Sputum.....	1
Cultures from autopsies.....	3
Blood.....	1
Smears.....	2
Spinal fluid.....	4
Autogenic vaccines prepared.....	5
Antityphoid vaccinations.....	4
Wassermann reactions.....	274
Agglutination reactions.....	1
Pathological tissues prepared, paraffin.....	157
Bacteriological examinations for quarantine officer.....	2
Chemical analysis of—	
Hospital dairy milk.....	1
Milk from private dairies supplying cities of Panama and Colon.....	27
Mother's milk.....	3
Stomach contents.....	1
Urine.....	4
Beer, Panama Brewing & Refrigerating Co.....	1
Liquid substance (poison) for division of police.....	1

Surgical tissues and neoplasms reported.....	18
Autopsies performed.....	27
Bodies embalmed.....	5
Animals examined or under observation.....	4
Leprosus examined (1 positive).....	3
Rats examined.....	1,331

REPORT OF OPERATIONS OF HOSPITAL FARM, COROZAL.

EXPENDITURES.

Supervision.....	\$200.00
Labor.....	476.27
Subsistence of labor.....	362.66
Quartermaster team service.....	65.30
Electric lights.....	3.90
Ice.....	.90
Material and supplies.....	23.90
Total.....	\$1,132.93

RECEIPTS.

Transfer and services rendered.....	53.62
Products sold:	
688 heads lettuce.....	\$15.90
995 bunches radishes.....	45.78
288 bunches spinach.....	5.30
29 bunches bananas.....	6.85
218½ dozen eggs.....	114.53
25½ dozen ears corn.....	4.01
5½ dozen roses.....	2.75
1,281 pounds string beans.....	187.35
249 pounds papayas.....	5.61
1,454 mangoes.....	26.75
6,565 okras.....	30.31
670 limes.....	3.16
30 guinea pigs.....	15.00
6 hogs.....	150.00
54 loads grass.....	54.00
1 small coffin.....	1.20
1 palm.....	1.00
Burial permit.....	2.00
Pasturage.....	24.70
	696.20
Total.....	749.82
Net running expenses.....	383.11
Number of days' treatment.....	1,512
Net cost per patient per day.....	\$0.2468

STATEMENTS OF COMMITMENTS, DEATHS, AND DISCHARGES,
ANCON HOSPITAL INSANE ASYLUM.

Commitments.

	Male.	Female.
From Zone Government:		
Received on first commitment.....	1 10	
From Panama Government:		
Received on first commitment.....	1 6	5
Received on second commitment.....	1	1
Received on fifth commitment.....	1	
	18	6

¹ Returned to asylum from hospital, 1.

**STATEMENTS OF COMMITMENTS, DEATHS, AND DISCHARGES,
ANCON HOSPITAL INSANE ASYLUM.**

Discharges.

Nationality.	Well.		Improved.		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Holland.....					¹ 2	
Spain.....					¹ 1	
England.....					¹ 1	
Barbados.....	1		1		¹ 2	
Fortune Island.....	1					
Antigua.....	1					
Panama.....	1	1				
Demerara.....	1				² 1	
U. S. A.....	2					
Jamaica.....	1					
Grenada.....	1					
Martinique.....	1					
	10	1	1		7	

¹ Deported.

² Transferred to hospital.

Deaths.

Physical diagnosis.	Mental diagnosis.	
	Psychoses accompanying other brain or nervous diseases.	Infective-exhaustive psychoses.
Tertiary syphilis.....	¹ 1	
Infection of, undetermined origin.....		¹ 1

¹ Male.

C. H. O., 4; Asylum, 1; A. H., 1.

TABLE XIV.—COLON HOSPITAL.

	White American.	White foreign.	Black.	Total.
Panama Canal employees.....	4	18	103	125
Panama Railroad employees.....	5	6	46	57
Pay, private.....	10	12	21	43
Panama pay.....	1	5	13	19
Zone charity.....	5	3	7	15
Total.....	25	44	190	259

Cost of subsistence per patient per day, 30 cents.

LABORATORY REPORT.

Blood examinations.....	104
Estivó autumnal.....	55
Tertian.....	4
White blood counts.....	6
Differential counts.....	8
Stool examinations.....	6
Negative.....	6
Urine examinations.....	110
Casts.....	37
Albumin.....	48
Pus and blood.....	18
Sputum examinations.....	2
Negative.....	2

SURGICAL OPERATIONS.

Amputations, digit (single).....	1
Operations on bones, bone plate.....	1
Adenectomy, inguinal, double.....	1
Herniotomy, st-angulated.....	2
Genito-urinary tract:	
Urethrotomy, external.....	3
Hydrocele, single, radical cure.....	1
General, ingrowing nails.....	1
Laparotomy:	
For tuberculous peritonitis.....	1
Cholecystostomy.....	1
Salpingo-cophorectomy.....	2
Suspensio-uter.....	1
Minor operations, various.....	8

TABLE XV.—PALO SECO LEPER ASYLUM.

NATIONALITY OF PATIENTS.

	Number treated.		Americans.		Other nations.	
	White.	Black.	White.	Black.	White.	Black.
Panama Canal employees.....						
Panama Railroad employees.....						
Pay cases.....	2	31			2	31
Charity cases.....	2	16			2	16
Total.....	4	47			4	47

Cost of subsistence, per patient, per day, 25 cents.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing July 1.	Ad- mitted.	Dis- charged.	Died.	Remain- ing July 31.
Pay cases.....	44	122	133	3	30
Charity cases.....	318	823	737	74	330
Total.....	362	945	870	77	360

Average number of patients constantly sick.....	362
Total number of days' treatment.....	11,231
Average number of days' treatment per patient.....	8
Cost of subsistence per patient per day.....	\$9.235

NATIONALITY.

Class.	Number treated.	Americans.		Other nations.	
		White.	Colored.	White.	Colored.
Pay cases.....	166	.....	.....	65	101
Charity cases.....	1,141	.....	.....	100	1,041
Total.....	1,307	.....	.....	165	1,142

DISPENSARY REPORT.

Class.	White.	Colored.	Total.
Natives.....	82	306	388
Foreigners.....	153	288	441
Total.....	235	594	829

DISEASES TREATED.

Typhoid fever.....	3	Diarrhea and enteritis, 2 years and over.....	21
Malarial fever.....	112	Intestinal parasites.....	24
Estivo-autumnal.....	28	Appendicitis and typhilitis.....	9
Mixed.....	1	Hernia, intestinal obstructions.....	14
Clinical.....	89	Cirrhosis of the liver.....	9
Scarlet fever.....	3	Simple peritonitis, nonpuerperal....	1
Influenza.....	24	Other diseases of the digestive system, cancer and tuberculosis excepted.....	2
Dysentery.....	4	Acute nephritis.....	25
Leprosy.....	1	Other diseases of the kidney and annexa.....	1
Erysipelas.....	2	Diseases of the bladder.....	8
Purulent infection and septicemia ..	21	Diseases of the prostate.....	3
Pellagra.....	3	Other diseases of the uterus.....	10
Tuberculosis of the lungs.....	25	Normal labor.....	83
Syphilis.....	59	Accidents of pregnancy.....	9
Gonorrhea.....	11	Abortion.....	6
Cancer and other malignant tumors of—		Eclampsia.....	2
The breast.....	7	Gangrene.....	2
Other organs and of organs not specified.....	2	Furuncle.....	6
Acute articular rheumatism.....	15	Acute abscess.....	13
Diabetes.....	1	Other diseases of the skin and annexa.....	20
Alcoholism, acute or chronic.....	10	Other diseases of the organs of locomotion.....	5
Other forms of mental alienation...	6	Newborn child.....	80
Epilepsy.....	2	Congenital debility.....	1
Other diseases of the nervous system	8	Traumatism, by other crushings (vehicle, railroads, landslides, etc.).....	38
Diseases of the eyes and their annexa.....	2	Fractures, cause not specified.....	8
Acute endocarditis.....	5	Feigned disease.....	56
Organic diseases of the heart.....	7		
Arteriosclerosis.....	5		
Hemorrhoids.....	2		
Chronic bronchitis.....	19		
Lobar pneumonia.....	12		
Asthma.....	1		
Diseases of the mouth and annexa..	1	Total.....	947

SURGICAL OPERATIONS.

	Number.	Died.
Amputations, thigh.....	3	.....
Ostectomy.....	3	.....
Excision of maxilla.....	1	.....
Adenectomy, inguinal:		
Single.....	3	.....
Double.....	1	.....
Herniotomy, inguinal:		
Single.....	4	.....
Double.....	1	.....
Urethrotomy:		
Internal.....	7	.....
External.....	2	.....
Epididymotomy.....	1	.....
Curetage uteri.....	2	.....
Excision of breast and axilla.....	2	.....
Fistula in anus, excision of.....	1	.....
Prolapsus rectum, radical excision of.....	1	.....
Extensive injuries to soft parts, operation for.....	1	.....
Plastic operations for—		
Congenital defect.....	9	.....
Severe injuries.....	1	.....
Effects of disease.....	8	.....

SURGICAL OPERATIONS—Continued.

	Number.	Died.
Laparotomy for general peritonitis, not traumatic or appendi- cial.....	2	2
Laparotomy for intestinal obstruction.....	1	1
Laparotomy exploratory.....	1	.....
Appendectomy.....	4	.....
Abscess of liver:		
Laparo-hepatotomy for.....	2	.....
Thoraco-hepatotomy for.....	1	.....
Pan-hysterectomy.....	3	.....
Supravaginal hysterectomy.....	2	.....
Hysteromyomectomy.....	1	.....
Salpingectomy:		
Single.....	1	.....
Double.....	1	.....
Salpingo-cophorectomy.....	10	.....
Suspensio-uteri.....	1	.....
Major operations, various other.....	2	.....
Minor operations, various.....	57	.....
Total.....	140	3

TABLE XVII.—SANITATION.

The following is a summary of sanitary work performed and material expended during the month in the Canal Zone:

Work requests on quartermaster's department:	
Grass cutting.....	19
Screening.....	17
Miscellaneous.....	8
Work requests on engineering department.....	23
Work requests on other departments.....	.....
Notices served to abate nuisances.....	35
Arrests for violation of sanitary regulations.....	1
Convictions.....	1
Building permits approved.....	1
Inspections of closets.....	2,697
Inspections of stores.....	136
Inspections of restaurants.....	11
Inspections of shops.....	156
Garbage cans emptied.....	137,644
Closets disinfected.....	5,476
Houses disinfected.....	2
Rat traps used daily.....	1,514
Adult Anopheles destroyed in houses.....	2,580
Adult Culices destroyed in houses.....	10,504
Containers found with Stegomyia larvæ.....	.....
Larvacide used..... gallons.....	3,921
Crude oil used..... do.....	20,638
Rats destroyed.....	1,072

**SUMMARY OF ROUTINE WORK DONE BY THE HEALTH OFFICE,
PANAMA, DURING JULY, 1914.**

Mosquito work:	
Linear feet of ditches cleaned and maintained.....	43,230
Linear feet of new ditches dug.....	0
Number of cubic yards earth used in filling.....	0
Gallons larvacide used.....	653
Gallons crude oil used.....	140
Square yards pools oiled.....	60,940
Water containers treated.....	76,880
Mosquito breeding places found.....	752
Fly breeding places found.....	1,209
Gargage collections:	
Number of loads garbage removed to dump.....	4,142
Total number of cans garbage emptied.....	106,437
Buildings:	
Number of buildings inspected.....	6,605
Number of plans for new buildings approved.....	54
Number of permits granted for repairs to old buildings.....	99
Total number of permits granted.....	153
Number of buildings condemned.....	119
Number of buildings demolished.....	23
Street cleaning:	
Average number of square yards cleaned daily.....	600,000
Average number of square yards streets sprinkled daily.....	90,000
Number of private properties cleaned during month.....	13
Number of notices served and nuisances abated.....	191
Vaccinations:	
Number of vaccinations during month.....	342
Total vaccinations since Apr. 1, 1914.....	5,186

**GENERAL WORK REPORT FOR COLON, CRISTOBAL, MOUNT HOPE,
AND TORO POINT.**

HEALTH OFFICE,
Cristobal, July 31, 1914.

General sanitation, Colon:	
Square yards street cleaned.....	4,123,178
Square yards street sprinkled.....	0
Square yards alleys maintained.....	715,367
Loads, garbage, cubic yards.....	472
Private properties cleaned.....	94
Number of rats killed.....	152
Number of cans, garbage (2,152 cubic yards).....	67,587
Number of doses quinine issued.....	982
Square yards oiled.....	19,800
Number of receptacles treated.....	26,709
Number of mosquito breeding places destroyed.....	115
Number of fly breeding places destroyed.....	114
Number of buildings inspected.....	3,675
Gallons larvacide used.....	646
Gallons crude oil used.....	0
Number of nuisances abated.....	304
Colon dump maintained.....	
Buildings, Colon:	
Number of plans approved.....	2
Number of permits to occupy issued.....	2
Number of permits to repair issued.....	48
Number of temporary permits to occupy issued.....	1
Sewers, Colon (reported by division of municipal engineering):	
Number of new connections made during month.....	1
Total number of connections made to date.....	1,149
Number of houses in which extensions were made.....	6
Number of outstanding permits.....	36
Sanitation, Cristobal:	
Square yards pools oiled.....	4,400
Number of receptacles treated.....	3,709
Number of mosquito-breeding places destroyed.....	23
Number of fly-breeding places destroyed.....	11
Number of buildings inspected.....	360
Gallons larvacide used.....	44
Gallons of crude oil used.....	0

Sanitation, Toro Point (from 1st to 20th, inclusive):	
Square yards oiled.....	15, 150
Number receptacles treated.....	2, 660
Number of mosquito-breeding places destroyed.....	11
Number of fly-breeding places destroyed.....	1
Number of mosquitoes killed (Anoph. 1,240, Cul. 171).....	1, 411
Cubic yards ditching (old ditches redug).....	649
Linear yards ditches maintained.....	1, 193
Gallons larvacide used.....	27
Gallons crude oil used.....	284
Sanitation, Mount Hope:	
Square yards oiled.....	101, 800
Receptacles treated.....	23, 550
Number mosquito-breeding places destroyed.....	104
Number mosquitoes killed in bar (Anoph. 2401, Cul. 3,066).....	5, 467
Number mosquitoes killed in cars (Anoph. 10,098, Cul. 1,502).....	11, 600
Linear feet ditches maintained.....	19, 919
Gallons larvacide used.....	520
Gallons crude oil used.....	1, 830
General sanitation, Mindi Island (July 21 to 31, inclusive):	
Square yards filling in low places.....	3, 271
Square yards removing vegetation.....	582
Ditching (cubic yards 303 $\frac{1}{2}$), linear yards.....	184
Vaccinations:	
From July 1 to 17.....	78
Number of patients examined and passed.....	512

TABLE XVIII.—QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA AND PANAMA FOR THE MONTHS OF JULY, 1914.

Number of vessels inspected and passed.....	15
Number of vessels inspected and held in quarantine.....	12
Total number of vessels inspected.....	27
Number of vessels fumigated on arrival.....	9
Number of vessels fumigated on departure.....	0
Total number of vessels fumigated.....	9
Number of crew examined.....	2, 171
Number of passengers from foreign ports examined and landed:	
Cabin.....	351
Steerage.....	124
	475
Total number of persons examined.....	2, 646
Number of persons vaccinated at ports of arrival because of compulsory vaccination law.....	4
Number of persons vaccinated at ports of departure or en route because of compulsory vaccination law.....	1, 231
Total number of persons vaccinated.....	1, 235
Number of persons held in quarantine at the detention house to complete period of incubation for fever or plague.....	85
Number of persons held in quarantine on board vessels to complete period of incubation of yellow fever or plague.....	1, 786
Total number of persons held under observation.....	1, 871
Number of persons embarked for foreign ports:	
Cabin.....	348
Steerage.....	195
	543
Number of persons arriving from coast towns in small launches and sailing craft.....	1, 642
Number of persons sailing for coast towns in small launches and sailing craft.....	1, 754
Number of bills of health issued.....	25
Number of certificates issued to outgoing passengers.....	61
Number of certificates refused on account of trachoma.....	2

Number of persons recommended for deportation.....	0
Total number of persons landed.....	2,117
Total number of persons sailing.....	2,297

Apparent decrease for the month..... 180

QUARANTINE TRANSACTIONS AT THE PORTS OF COLON AND CRISTOBAL FOR THE MONTH OF JULY, 1914.

Number of vessels inspected and passed.....	91
Number of vessels held in quarantine.....	9

Total number of vessels inspected.....	100
Number of vessels fumigated on arrival.....	7
Number of vessels fumigated on departure.....	7
Number of crew inspected.....	9,176
Number of passengers inspected, including 55 United States troops.....	5,297

Total number of persons inspected.....	14,473
Number of persons vaccinated in port on arrival.....	912
Number of persons vaccinated in ports of departure or en route.....	872

Total number of persons vaccinated.....	1,784
Number of persons detained in quarantine to complete period of incubation for yellow fever and plague.....	332
Number of persons detained on vessels.....	640

Total number of persons held under observation.....	972
---	-----

Total number of persons landed from foreign ports:	
Cabin.....	1,920
Steerage.....	1,351
	3,271

Total number of persons embarked for foreign ports:	
Cabin.....	1,779
Steerage.....	1,829
	3,608

Number of persons in transit.....	1,482
-----------------------------------	-------

Number of persons from coast towns:	
Inspected.....	544
Not inspected.....	294

Number of persons leaving Colon for coast towns.....	259
--	-----

Number of persons landed during month:	
For immigration report.....	3,805
For Pacific ports.....	304
	4,109

Number of bills of health issued.....	10
---------------------------------------	----

Number of bills of health viséed.....	41
---------------------------------------	----

Number of persons recommended for deportation.....	2
--	---

Total number of persons landed.....	4,109
-------------------------------------	-------

Less number for Pacific ports.....	304
------------------------------------	-----

	3,805
Total number of persons sailing.....	3,867

Apparent decrease for month..... 62

CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL FOR THE MONTH OF JULY, 1914.

Number of vessels inspected and passed.....	106
Number of vessels held in quarantine.....	21

Total number of vessels entered.....	127
--------------------------------------	-----

Number of vessels fumigated on arrival.....	16
---	----

Number of vessels fumigated on departure.....	7
---	---

Total number of vessels fumigated..... 23

Number of crew examined.....	11,347	
Number of passengers examined, including 55 United States troops.....	5,772	
Total number of persons examined.....		17,119
Number of persons vaccinated at ports of arrival because of compulsory vaccination law.....	916	
Number of persons vaccinated at ports of departure or en route because of compulsory vaccination law.....	2,103	
Total number of persons vaccinated.....		3,019
Number of persons held in quarantine at the detention houses to complete period of incubation of yellow fever and plague.....	417	
Number of persons held in quarantine on board vessels to complete period of incubation of yellow fever and plague.....	2,426	
Total number of persons held under observation.....		2,843
Total number of persons landed from foreign ports:		
Cabin.....	2,271	
Steerage.....	1,475	
		3,746
Total number of persons embarked for foreign ports:		
Cabin.....	2,127	
Steerage.....	2,024	
		4,151
Total number of persons arriving from coast towns on small launches and sailing craft.....	2,480	
Total number of persons sailing for coast towns on small launches and sailing craft.....	2,013	
Apparent increase for month from coast towns.....		467
Apparent decrease for month from foreign ports:		
Cabin (increase).....	144	
Steerage (decrease).....	549	
		405
Number of immigrants recommended for deportation.....		2
Number of certificates issued to outgoing passengers.....		61
Number of persons refused certificates on account of trachoma.....		2
Number of bills of health issued or viséed.....		76
Total number of persons landed.....	6,226	
Less number for Pacific ports.....	304	
		5,922
Total number of persons sailing.....		6,164
Total apparent decrease for month.....		242

IMMIGRATION REPORT FOR COLON, JULY, 1914.

From—	Cabin.	Steerage.
Europe.....	40	33
United States.....	1,179	18
Jamaica and West Indies.....	181	925
Venezuela.....	20	17
Colombia.....	77	121
Cuba.....	50	46
Guatemala.....	4	18
Costa Rica.....	125	113
Bocas del Toro.....	66	478
Coast towns.....		294
Total.....	1,742	2,063
Men.....		2,364
Women.....		760
Children.....		387
Unclassified.....		294
Total.....		3,805

QUARANTINE, BOCAS DEL TORO.

Number of vessels inspected and passed.....	37
Number of crew inspected and passed.....	1,873
Number of passengers inspected and passed.....	547
Number of passengers, in transit, inspected and passed.....	274
Number of persons held to complete period of incubation of yellow fever.....	1
Number of persons held to complete period of incubation of plague.....	1
Number of vessels fumigated (<i>Greenbrier</i> , direct from New Orleans).....	1

No quarantinable disease has appeared in this port, and the health conditions of the port and surrounding territory are good.

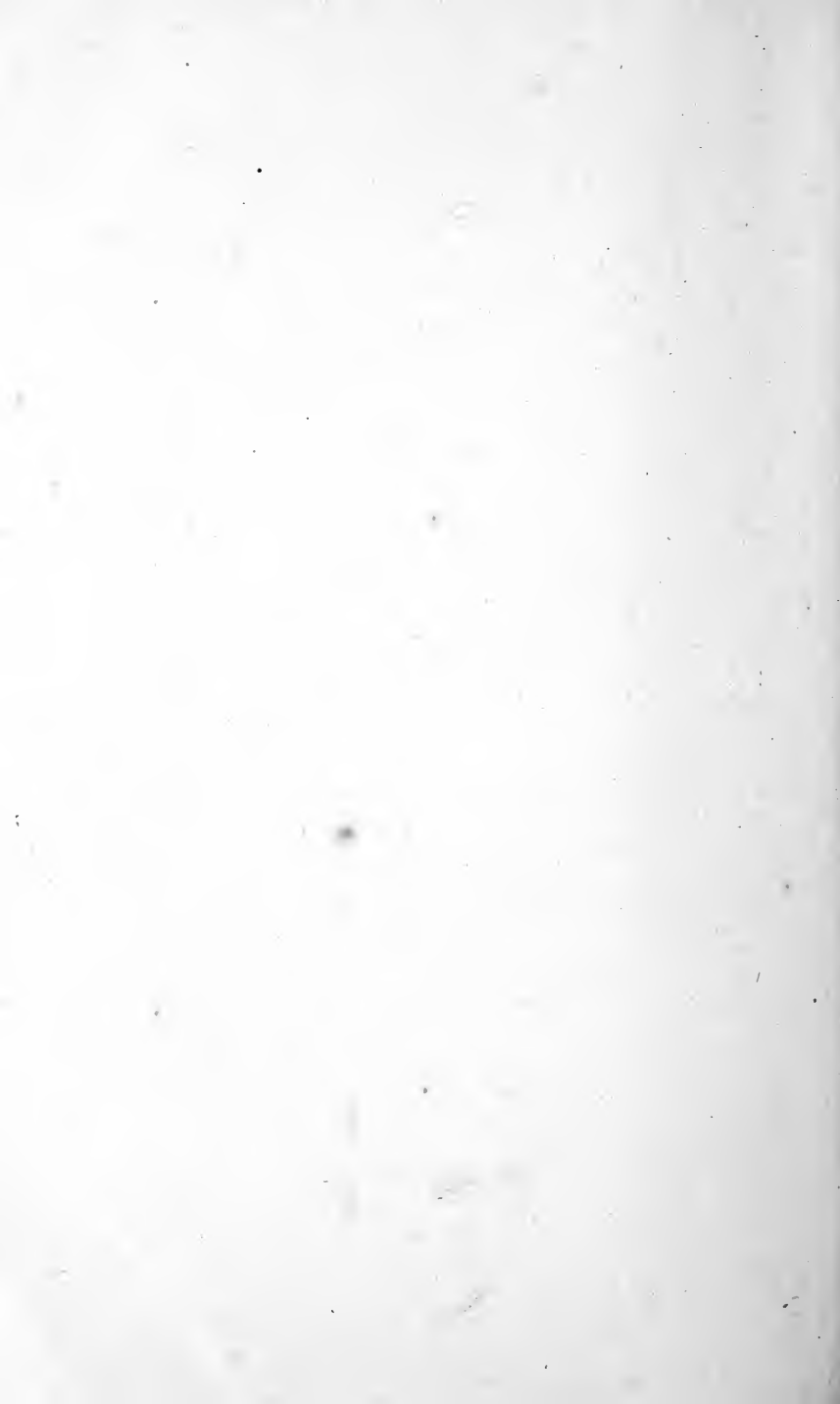
TABLE XIX.—STATEMENT OF QUININE ISSUED.

	Kilos.
Quinine sulphate.....	18
Quinine sulphate tablets.....	2
Total.....	20

Pounds avoirdupois, 44.09.

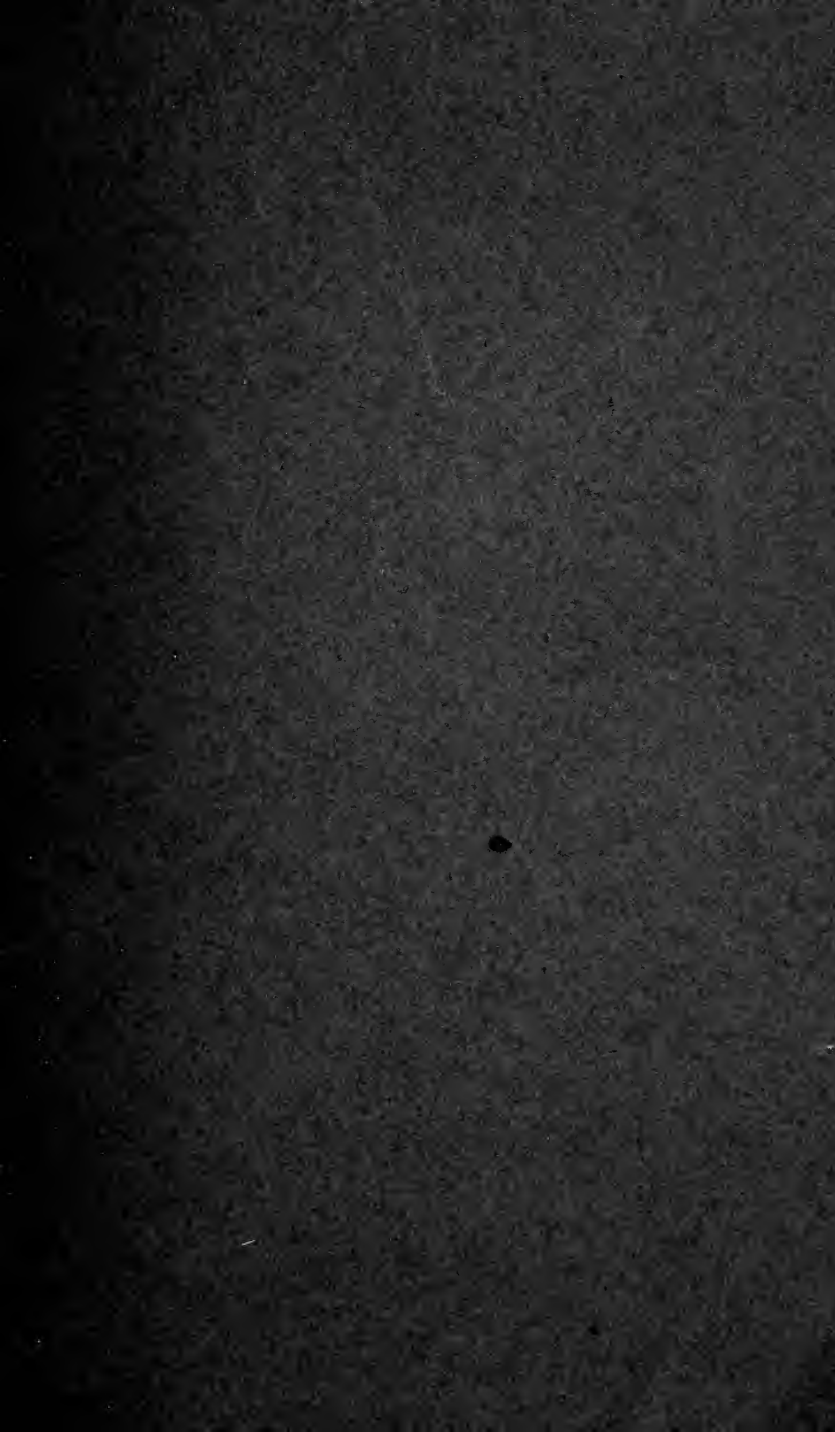
TABLE XX.—PERSONNEL REPORT.

	July, 1914.			Total.	
	Officers and employees.	Skilled and unskilled labor.	Total.	June, 1914.	July, 1913.
Chief health office.....	16		16	15	34
Medical storehouse.....	4	4	8		9
Quarantine division.....	21	19	40	39	40
Health office:					
Panama.....	22	152	174	161	53
Colon.....	19	120	139	139	139
Ancon Hospital.....	265	107	372	476	550
Colon Hospital.....	22	11	33	32	192
Santo Tomas Hospital.....	6		6	6	5
Taboga Sanitarium.....					20
Palo Seco Leper Asylum.....	10	8	18	18	14
Zone sanitation.....	24	102	126	126	264
Hospital farm.....	1	48	49	48	16
Dispensaries:					
Ancon.....					5
Balboa.....	5		5	6	4
Bas Obispo.....					6
Corozal.....	4		4	4	5
Cristobal.....	6		6	6	6
Culebra.....	4		4	5	6
Empire.....	4		4	4	6
Gamboa.....	1		1		
Gatun.....	4		4	4	9
Gorgona.....					4
Las Cascadas.....					4
Margarita Point.....	1		1	1	1
Miraflores.....					3
Naos Island.....	2		2	2	2
Paraiso.....	4		4	4	4
Pedro Miguel.....	3		3	3	4
Porto Bello.....					4
Toro Point.....					3
Total.....	448	571	1,019	1,099	1,412









UNIVERSITY OF FLORIDA



3 1262 08520 1126